

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2101	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2101 Blewett	U	3.46						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.33		0.33	9.55%				
Trim / Thin Trees	0.02		0.02	0.58%				
Encroachments					1.31	0.14		
Animal Control	0.10	0.05	0.30	8.68%				
Crown Surface / Depressions / Rutting	0.19		0.19	5.50%				
Seepage / Sandboils								0.01
Flood Preparedness & Training	0.03		0.03	0.87%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.67	0.05	0.87	25.17%	1.35	0.14	0.00	0.01
Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2101	U	3.16						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.14		0.14	4.43%				
Trim / Thin Trees	0.02		0.02	0.63%				
Encroachments					1.31	0.14		
Animal Control	0.10	0.05	0.30	9.50%				
Crown Surface / Depressions / Rutting	0.19		0.19	6.02%				
Seepage / Sandboils								0.01
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.45	0.05	0.65	20.59%	1.35	0.14	0.00	0.01
Unit No. 02 San Joaquin River (Spur Levee) RB	Overall Unit Rating	Total Unit Miles						
RD2101	U	0.30						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.19		0.19	63.60%				
<i>Unit Totals:</i>	0.19	0.00	0.19	63.60%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2018 Levee Inspection Results

Reclamation District No. 2101 Blewett

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	3.16
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/8/2018 - 3/8/2018		10/23/2018 - 10/23/2018	
DWR Inspector	Maksim Khashchuk		Wade Wylie	
Accompanied By	Jim Coddington RD2101		Jim Coddington RD2101	
			Stephen Perez Perez Farms	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start		Rating **	A	Issue No.	2	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Operations & Maintenance Manuals				o	
					o	
DWR ID	DWR_RD2101_01_s_2013_2					
Comment Code						
Inspector Comment						
The LMA has the O&M Manual available electronically.						

Photo 1 of 1 : FA_2018_RD2101_326_2_20181002_00001.jpg



View of the O&M manual and other documentation.

LM Start		Rating **	A	Issue No.	4		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				o		o
					o		o
DWR ID	DWR_RD2101_01_s_2013_4						
Comment Code							
Inspector Comment							
LMA has emergency supplies on site at the warehouse.							

Photo 1 of 2 : FA_2018_RD2101_326_4_20181002_00002.jpg



View of the emergency flood fight supplies in the shop.

LM Start		Rating **	A	Issue No.	4 (cont)
LM End		Issue Type +	Ma	Location *	N/A

Photo 2 of 2 : FA_2018_RD2101_326_4_20181002_00003.jpg



Another view of the emergency flood fight supplies in the shop.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2101 Blewett

No Photos

Photo 1 of 1 : FA_2018_RD2101_326_26_20181023_00053.jpg



Photo 1 of 1 : FA_2018_RD2101_326_12_20181002_00005.jpg



View of the rodent holes on the waterside levee slope, facing upstream.

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.05	Rating **	M	Issue No.	945	
LM End	0.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.657801 °		37.657801 °
				-121.253745 °		-121.253745 °
DWR ID	20699					
Comment Code						
Inspector Comment						
FS_ID:53384 DS_ID:20699 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2018 The levee does not show any signs of integrity issues and the headwalls are in tact, even though the pipe has heavy sediment buildup. Downgrading to Non-Urgent and recommend cleaning out the pipe to allow drainage to pass through unobstructed (D. Sanoski - DWR UCIP). 11/16/2016 Same as previous inspection slide gate still missing. Also dense vegetation prevents access to crossing. Recommend removing vegetation along pipe alignment and both concrete headwalls to conduct proper inspection of structure. (O. Magana - DWR UCIP)09/17/2013 Slide gate missing from WS toe. Pipe has heavy sediment buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete headwalls on both ends. Slide gate at the headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.05), Drawing No. 07-04-1666, Sheets 1666/18 and 1666/52, (Station 00+70)]. FS Date: 10/10/2018 1:39:00 PM						

LM Start	0.05	Rating **	M	Issue No.	945 (cont)
LM End	0.05	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53384_47962.jpg



Headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2018_53384_47961.jpg



Pipe and headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.05	Rating **	M	Issue No.	945 (cont)	
LM End	0.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.657801 °		37.657801 °
				-121.253745 °		-121.253745 °
DWR ID	20699					
Comment Code						
Inspector Comment						
FS_ID:53384 DS_ID:20699 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2018 The levee does not show any signs of integrity issues and the headwalls are in tact, even though the pipe has heavy sediment buildup. Downgrading to Non-Urgent and recommend cleaning out the pipe to allow drainage to pass through unobstructed (D. Sanoski - DWR UCIP). 11/16/2016 Same as previous inspection slide gate still missing. Also dense vegetation prevents access to crossing. Recommend removing vegetation along pipe alignment and both concrete headwalls to conduct proper inspection of structure. (O. Magana - DWR UCIP)09/17/2013 Slide gate missing from WS toe. Pipe has heavy sediment buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete headwalls on both ends. Slide gate at the headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.05), Drawing No. 07-04-1666, Sheets 1666/18 and 1666/52, (Station 00+70)]. FS Date: 10/10/2018 1:39:00 PM						

Photo 3 of 3 : UCIP_FA_2018_53384_47960.jpg



Pipe and headwall visible on LS toe.

LM Start	0.10	Rating **	M	Issue No.	15
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657555 °	37.657555 °
				-121.252902 °	-121.252902 °
DWR ID	DWR_RD2101_01_s_2017_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes need to be filled. Eradicate Rodents.					

Photo 1 of 3 : FA_2018_RD2101_326_15_20181002_00006.jpg



View of the rodent burrows on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.10	Rating **	M	Issue No.	15 (cont)	
LM End	0.10	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.657555 °		37.657555 °
				-121.252902 °		-121.252902 °
DWR ID	DWR_RD2101_01_s_2017_15					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Large rodent holes need to be filled. Eradicate Rodents.						

Photo 2 of 3 : FA_2018_RD2101_326_15_20181023_00054.jpg



Burrows on LS slope.

LM Start	0.10	Rating **	M	Issue No.	15 (cont)
LM End	0.10	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2018_RD2101_326_15_20181023_00055.jpg



LM Start	0.14	Rating **	M	Issue No.	31
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657170 °	37.657170 °
				-121.252498 °	-121.252498 °
DWR ID	DWR_RD2101_01_f_2018_31				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.20	Rating **	A/W	Issue No.	946
LM End	0.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.657130 °	37.657130 °
				-121.251695 °	-121.251695 °
DWR ID	20700				
Comment Code					
Inspector Comment					
FS_ID:20752					
DS_ID:20700					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Pump on pile structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.20), 18-inch pipe listed].					
FS Date: 9/19/2013					

LM Start	0.20	Rating **	A/W	Issue No.	946 (cont)
LM End	0.20	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_20752_34980.jpg



Pump on platform at LS.

Photo 2 of 3 : UCIP_FA_2018_20752_34979.jpg



Pump on platform at LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.20	Rating **	A/W	Issue No.	946 (cont)	
LM End	0.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.657130 °	37.657130 °	
				-121.251695 °	-121.251695 °	
DWR ID	20700					
Comment Code						
Inspector Comment						
FS_ID:20752						
DS_ID:20700						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee,						
2 feet below the crown. Concrete U-shaped headwall and flap gate on						
the waterside (WS) end. Pump on pile structure on the landside (LS).						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 12, December 1968, (HLM 0.20), 18-inch pipe listed].						
FS Date: 9/19/2013						

Photo 3 of 3 : UCIP_FA_2018_20752_34978.jpg



Concrete U-shaped headwall on LS toe at willow tree on WS toe.

LM Start	0.31	Rating **	M	Issue No.	947
LM End	0.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °
				-121.250047 °	-121.250047 °
DWR ID	20701				
Comment Code					
Inspector Comment					
FS_ID:20785					
DS_ID:20701					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Inlet blocked by soil from beaver activity. Outlet covered in soil.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Headwall and slide gate on the landside (LS) end. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.31)].					
FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_FA_2018_20785_35046.jpg



Slide gate at concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.31	Rating **	M	Issue No.	947 (cont)	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °	
				-121.250047 °	-121.250047 °	
DWR ID	20701					
Comment Code						
Inspector Comment						
FS_ID:20785						
DS_ID:20701						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Inlet blocked by soil from beaver activity. Outlet covered in soil.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Headwall and slide gate on the landside (LS) end. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.31)].						
FS Date: 9/19/2013						

Photo 2 of 3 : UCIP_FA_2018_20785_35045.jpg



Slide gate at concrete headwall on LS toe.

LM Start	0.31	Rating **	M	Issue No.	947 (cont)
LM End	0.31	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_20785_35044.jpg



Outlet covered in soil but likely at willow tree on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.58	Rating **	M	Issue No.	32
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.660022 °	37.660022 °
				-121.246318 °	-121.246318 °
DWR ID	DWR_RD2101_01_f_2018_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.69	Rating **	U	Issue No.	16
LM End	0.69	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.659922 °	37.659922 °
				-121.244415 °	-121.244415 °
DWR ID	DWR_RD2101_01_s_2017_16				
Comment Code					
Inspector Comment					
Boil no longer active.					

Photo 1 of 1 : FA_2018_RD2101_326_16_20181002_00007.jpg



View of the boil and seepage area at the levee toe. Spring 2017.

LM Start	0.73	Rating **	M	Issue No.	944
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.659827 °	37.651049 °
				-121.243675 °	-121.231475 °
DWR ID	DWR_RD2101_01_s_2012_944				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2101_326_944_20181002_00023.jpg



Concrete ditch near landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.75	Rating **	M	Issue No.	34
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.659733 °	37.659733 °
				-121.243363 °	-121.243363 °
DWR ID	DWR_RD2101_01_f_2018_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.78	Rating **	M	Issue No.	20
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.659436 °	37.659436 °
				-121.242965 °	-121.242965 °
DWR ID	DWR_RD2101_01_f_2016_20				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	A/W	Issue No.	19
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.658918 °	37.658918 °
				-121.242544 °	-121.242544 °
DWR ID	DWR_RD2101_01_s_2017_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodents have been eradicated. Monitor area.					

Photo 1 of 1 : FA_2018_RD2101_326_19_20181002_00008.jpg



View of the bait station on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.86	Rating **	M	Issue No.	21
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.658715 °	37.658715 °
				-121.241945 °	-121.241945 °
DWR ID	DWR_RD2101_01_f_2016_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2101_326_21_20181002_00009.jpg



View of the rodent hole on the landside slope.

LM Start	0.86	Rating **	M	Issue No.	35
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.658706 °	37.658706 °
				-121.241913 °	-121.241913 °
DWR ID	DWR_RD2101_01_f_2018_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.94	Rating **	M	Issue No.	22
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657875 °	37.657622 °
				-121.241209 °	-121.241187 °
DWR ID	DWR_RD2101_01_f_2016_22				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	1.02	Rating **	N	Issue No.	33
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.656745 °	37.656745 °
				-121.241104 °	-121.241104 °
DWR ID	DWR_RD2101_01_f_2014_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2101_326_33_20181002_00017.jpg



View of the tree stump at the waterside levee toe.

LM Start	1.10	Rating **	M	Issue No.	23
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.655521 °	37.655521 °
				-121.241191 °	-121.241191 °
DWR ID	DWR_RD2101_01_s_2017_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.59	Rating **	M	Issue No.	14
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.651554 °	37.651554 °
				-121.234319 °	-121.234319 °
DWR ID	DWR_RD2101_01_s_2012_14				
Comment Code					
PO : Pole					
Inspector Comment					
Pole needs to be permitted or moved outside of levee easement.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	1.69	Rating **	M	Issue No.	38
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.651341°	37.650980°	
			-121.232687°	-121.231287°	
DWR ID	DWR_RD2101_01_f_2018_38				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.87	Rating **	C	Issue No.	39
LM End	1.96	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.650550°	37.649980°	
			-121.229570°	-121.228040°	
DWR ID	DWR_RD2101_01_f_2017_39				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:133					
Site Designation:DWR_RD2101_01_s_2012_1					
Repair Type: Erosion					
Rating:Critical					
Field Date:6/8/2017					
Notes: Lineal cracking on the levee crown is visible. Erosion scarp is near vertical. This site was repaired at the time of the Fall 2017 inspection.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	1.91	Rating **	A/W	Issue No.	40
LM End	2.26	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.650330°	37.646800°
				-121.228860°	-121.225060°
DWR ID	DWR_RD2101_01_f_2017_40				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:134					
Site Designation:DWR_RD2101_01_R_2012_01					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	1.93	Rating **	M	Issue No.	41
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.650205°	37.650205°
				-121.228507°	-121.228507°
DWR ID	DWR_RD2101_01_f_2018_41				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	1.96	Rating **	M	Issue No.	42
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.649944 °	37.649658 °
				-121.227954 °	-121.227479 °
DWR ID	DWR_RD2101_01_f_2018_42				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.23	Rating **	U	Issue No.	24
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.647088 °	37.647088 °
				-121.225077 °	-121.225077 °
DWR ID	DWR_RD2101_01_s_2017_24				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Rodents have been eradicated need to backfill holes.					

Photo 1 of 2 : FA_2018_RD2101_326_24_20181023_00056.jpg



View of large burrows on LS slope.

LM Start	2.23	Rating **	U	Issue No.	24 (cont)
LM End	2.23	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_RD2101_326_24_20181023_00057.jpg



View of collapsed burrow on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2101 Blewett

Photo 1 of 1 : FA_2018_RD2101_326_25_20181002_00011.jpg



View of the multiple rodent burrows on the levee slope.

Photo 1 of 1 : FA_2018_RD2101_326_30_20181002_00016.jpg



View of the rodent burrows on the levee slope near the toe.

Photo 1 of 1 : FA_2018_RD2101_326_36_20181002_00018.jpg



View of the multiple rodent burrows on the levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.67	Rating **	U	Issue No.	37
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.642436 °	37.642436 °
				-121.229854 °	-121.229854 °
DWR ID	DWR_RD2101_01_s_2017_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2101_326_37_20181002_00019.jpg



View of the multiple rodent burrows on the levee slope.

LM Start	2.71	Rating **	M	Issue No.	948	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.641976 °	37.641976 °	
				-121.229745 °	-121.229745 °	
DWR ID	20711					
Comment Code						
Inspector Comment						
FS_ID:20865						
DS_ID:20711						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe leaking at pipe/concrete connection on WS slope.						
FIELD_STRUCT_DESC: 2 of 3: 20-inch concrete encased steel irrigation pipe through the levee, 10 feet below the crown. Pump on steel pier on the waterside (WS). Gate valve in a 16-foot by 7-foot concrete vault on the WS shoulder. Pipes discharge into a concrete canal on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.73)].						
FS Date: 9/19/2013						

Photo 1 of 3 : UCIP_FA_2018_20865_35110.jpg



Pump on metal pier on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.71	Rating **	M	Issue No.	948 (cont)	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.641976 °	37.641976 °	
				-121.229745 °	-121.229745 °	
DWR ID	20711					
Comment Code						
Inspector Comment						
FS_ID:20865 DS_ID:20711 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at pipe/concrete connection on WS slope. FIELD_STRUCT_DESC: 2 of 3: 20-inch concrete encased steel irrigation pipe through the levee, 10 feet below the crown. Pump on steel pier on the waterside (WS). Gate valve in a 16-foot by 7-foot concrete vault on the WS shoulder. Pipes discharge into a concrete canal on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.73)]. FS Date: 9/19/2013						

LM Start	2.71	Rating **	M	Issue No.	948 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_20865_35109.jpg



Gate valve in concrete vault on WS shoulder.

Photo 3 of 3 : UCIP_FA_2018_20865_35108.jpg



20-inch steel pipe discharges into concrete channel on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.72	Rating **	M	Issue No.	949
LM End	2.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641798 °	37.641798 °
				-121.229714 °	-121.229714 °
DWR ID	24679				
Comment Code					
Inspector Comment					
FS_ID:22915 DS_ID:24679 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/26/2016 - (T. Hatch/UCIP) Inspector indicated that pipe had been removed for several years. Need additional information to determine if the pipe was removed properly and the levee recompacted to specifications. 09/19/2013 - (W. Wylie/UCIP) No permit identified for this crossing. FIELD_STRUCT_DESC: *REMOVED* 18-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 3.5 feet below the crown. No pump or other appurtenances visible. FS Date: 9/19/2013					

LM Start	2.72	Rating **	M	Issue No.	949 (cont)
LM End	2.72	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_22915_39043.jpg



18-inch PVC pipe visible at LS slope.

Photo 2 of 2 : UCIP_FA_2018_22915_39042.jpg



18-inch PVC pipe visible at outlet to irrigation canal on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.82	Rating **	M	Issue No.	43
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.640602°	37.640387°
				-121.230210°	-121.230140°
DWR ID	DWR_RD2101_01_f_2018_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control vegetation on both slopes.					

No Photos

LM Start	2.82	Rating **	M	Issue No.	950	
LM End	2.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.640566°	37.640566°	
				-121.230216°	-121.230216°	
DWR ID	20705					
Comment Code						
Inspector Comment						
FS_ID:53201 DS_ID:20705 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2018 Although there was heavy vegetation, there were no visible levee or pipe threats; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)]. FS Date: 10/10/2018 2:24:25 PM						

Photo 1 of 3 : UCIP_FA_2018_53201_35142.jpg



Concrete headwall visible at LS toe in ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.82	Rating **	M	Issue No.	950 (cont)	
LM End	2.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.640566°	37.640566°	
				-121.230216°	-121.230216°	
DWR ID	20705					
Comment Code						
Inspector Comment						
FS_ID:53201						
DS_ID:20705						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/10/2018 Although there was heavy vegetation, there were no visible levee or pipe threats; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)].						
FS Date: 10/10/2018 2:24:25 PM						

LM Start	2.82	Rating **	M	Issue No.	950 (cont)
LM End	2.82	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_53201_35141.jpg



Concrete headwall visible on WS toe at canal.

Photo 3 of 3 : UCIP_FA_2018_53201_35140.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.83	Rating **	U	Issue No.	27
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640425 °	37.640425 °
				-121.230139 °	-121.230139 °
DWR ID	DWR_RD2101_01_s_2012_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrows on both sides of levee. Backfill the burrows to restore the levee to original condition.					

Photo 1 of 1 : FA_2018_RD2101_326_27_20181002_00012.jpg



View of multiple rodent holes on the levee slope.

LM Start	2.85	Rating **	M	Issue No.	951
LM End	2.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °
				-121.230067 °	-121.230067 °
DWR ID	20706				
Comment Code					
Inspector Comment					
FS_ID:20873 DS_ID:20706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaks off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 1 of 2: 24-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier at the berm. Screw gates in a 6-foot by 10.5-foot concrete box on the waterside (WS). 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_FA_2018_20873_35146.jpg



Leak in pipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.85	Rating **	M	Issue No.	951 (cont)	
LM End	2.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.640185 °	37.640185 °	
				-121.230067 °	-121.230067 °	
DWR ID	20706					
Comment Code						
Inspector Comment						
FS_ID:20873						
DS_ID:20706						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Leaks off LS toe may indicate internal failure. Good candidate for video inspection.						
FIELD_STRUCT_DESC: 1 of 2: 24-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier at the berm. Screw gates in a 6-foot by 10.5-foot concrete box on the waterside (WS). 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)].						
FS Date: 9/19/2013						

LM Start	2.85	Rating **	M	Issue No.	951 (cont)
LM End	2.85	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_20873_35145.jpg



Leak in pipe off LS toe.

Photo 3 of 3 : UCIP_FA_2018_20873_35144.jpg



12-inch steel riser at concrete box with gatevalve on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.85	Rating **	M	Issue No.	952	
LM End	2.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.640185 °	37.640185 °	
				-121.230067 °	-121.230067 °	
DWR ID	20712					
Comment Code						
Inspector Comment						
FS_ID:20874 DS_ID:20712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 30-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier on the berm. 12-inch steel riser next to a 6-foot by 10.5-foot concrete box with a screw gate inside on the waterside (WS). Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013						

LM Start	2.85	Rating **	M	Issue No.	952 (cont)
LM End	2.85	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_20874_35151.jpg



Gatevalve in concrete vault with standpipe off WS toe.

Photo 2 of 3 : UCIP_FA_2018_20874_35150.jpg



Leak in pipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.85	Rating **	M	Issue No.	952 (cont)	
LM End	2.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.640185 °	37.640185 °	
				-121.230067 °	-121.230067 °	
DWR ID	20712					
Comment Code						
Inspector Comment						
FS_ID:20874 DS_ID:20712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 30-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier on the berm. 12-inch steel riser next to a 6-foot by 10.5-foot concrete box with a screw gate inside on the waterside (WS). Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013						

Photo 3 of 3 : UCIP_FA_2018_20874_35149.jpg



Leak in pipe off LS toe.

LM Start	2.85	Rating **	U	Issue No.	44
LM End	2.85	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.640145 °	37.640145 °
				-121.230042 °	-121.230042 °
DWR ID	DWR_RD2101_01_f_2018_44				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Tractor use of levee slope is damaging levee prism. Block use and restore levee cross section					

Photo 1 of 2 : FA_2018_RD2101_326_44_20181023_00058.jpg



Damage on WS slope and crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.85	Rating **	U	Issue No.	44 (cont)	
LM End	2.85	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.640145°	37.640145°	
				-121.230042°	-121.230042°	
DWR ID	DWR_RD2101_01_f_2018_44					
Comment Code						
AT : Agricultural tilling						
Inspector Comment						
Tractor use of levee slope is damaging levee prism. Block use and restore levee cross section						

Photo 2 of 2 : FA_2018_RD2101_326_44_20181023_00059.jpg



LM Start	2.85	Rating **	M	Issue No.	28
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640134°	37.640134°
				-121.230019°	-121.230019°
DWR ID	DWR_RD2101_01_s_2012_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes were backfilled but some are still active. Continue to monitor the area and exterminate the rodents.					

Photo 1 of 1 : FA_2018_RD2101_326_28_20181002_00013.jpg



View of numerous rodent holes with bait stations present.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.87	Rating **	A/W	Issue No.	953	
LM End	2.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.639924 °	37.639924 °	
				-121.230005 °	-121.230005 °	
DWR ID	20707					
Comment Code						
Inspector Comment						
FS_ID:20875						
DS_ID:20707						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe						
through the levee, 12.5 feet below the crown. Concrete U-shaped						
headwalls on each end. Flap gate on the waterside (WS) end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 12, December 1968, (HLM 2.89)].						
FS Date: 9/19/2013						

LM Start	2.87	Rating **	A/W	Issue No.	953 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_20875_35156.jpg



Flapgate on WS toe at concrete headwall.

Photo 2 of 3 : UCIP_FA_2018_20875_35155.jpg



Inlet on LS toe with concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.87	Rating **	A/W	Issue No.	953 (cont)	
LM End	2.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.639924 °	37.639924 °	
				-121.230005 °	-121.230005 °	
DWR ID	20707					
Comment Code						
Inspector Comment						
FS_ID:20875						
DS_ID:20707						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe						
through the levee, 12.5 feet below the crown. Concrete U-shaped						
headwalls on each end. Flap gate on the waterside (WS) end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 12, December 1968, (HLM 2.89)].						
FS Date: 9/19/2013						

Photo 3 of 3 : UCIP_FA_2018_20875_35154.jpg



Inlet on LS toe with concrete headwall.

LM Start	2.87	Rating **	A/W	Issue No.	954
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639884 °	37.639884 °
				-121.230008 °	-121.230008 °
DWR ID	20709				
Comment Code					
Inspector Comment					
FS_ID:20876					
DS_ID:20709					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 24-inch drainage pipe of an unknown material through the levee, 12.5 feet below the crown. Concrete U-shaped headwalls on each end. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.89)].					
FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_FA_2018_20876_35159.jpg



Concrete inlet on LS toe at canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)	
LM End	2.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.639884 °	37.639884 °	
				-121.230008 °	-121.230008 °	
DWR ID	20709					
Comment Code						
Inspector Comment						
FS_ID:20876						
DS_ID:20709						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 2 of 2: 24-inch drainage pipe of an unknown material through the levee, 12.5 feet below the crown. Concrete U-shaped headwalls on each end. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.89)].						
FS Date: 9/19/2013						

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_20876_35158.jpg



Concrete U-shaped headwall on WS toe with flapgate.

Photo 3 of 3 : UCIP_FA_2018_20876_35157.jpg



Concrete inlet on LS toe at canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	10/23/2018 10/23/2018	Wade Wylie

LM Start	2.87	Rating **	C	Issue No.	29
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.639852 °	37.639852 °
				-121.229980 °	-121.229980 °
DWR ID	DWR_RD2101_01_s_2012_29				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	2.88	Rating **	M	Issue No.	8
LM End	3.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.639780 °	37.637167 °
				-121.230008 °	-121.233715 °
DWR ID	DWR_RD2101_01_f_2013_8				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2101_326_8_20181002_00004.jpg



View of the ditch at the landside levee toe.

LM Start	2.91	Rating **	M	Issue No.	45
LM End	3.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.639463 °	37.637631 °
				-121.230315 °	-121.233070 °
DWR ID	DWR_RD2101_01_f_2018_45				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River (Spur Levee)			Right	0.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/8/2018 - 3/8/2018		10/23/2018 - 10/23/2018	
DWR Inspector	Maksim Khashchuk		Wade Wylie	
Accompanied By	Jim Coddington RD2101		Jim Coddington RD2101	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.30	10/23/2018 10/23/2018	Wade Wylie

LM Start	0.06	Rating **	M	Issue No.	1
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.660683 °	37.662000 °
				-121.243255 °	-121.242853 °
DWR ID	DWR_RD2101_02_f_2018_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation from both slopes.					

Photo 1 of 1 : FA_2018_RD2101_327_1_20181023_00001.jpg



Vegetation typical of levee slope in this area.

LM Start	0.06	Rating **	M	Issue No.	2
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.660689 °	37.661829 °
				-121.243257 °	-121.242906 °
DWR ID	DWR_RD2101_02_f_2018_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement